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- (54) Improvement in fluidized bed reaction systems using unsupported catalyts
- (57) A process is described for increasing the space time yield of polymer production in a fluidized bed reactor employing an exothermic polymerization reaction by

cooling the recycle stream to below its dew point and returning the resultant two-phase fluid stream to the reactor to maintain the fluidized bed at a desired temperature above the dew point of the recycle stream.



EUROPEAN SEARCH REPORT

Application Number EP 96 30 9218

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Category		DERED TO BE RELEVAN' dication, where apprepriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (BLCL6)
Y,D		KINS III JOHN M ET AL)		C08F10/02 C08F2/34
Y,D	US 5 317 036 A (UNI PLASTIC) 20 April 1 * abstract; claims		1,2,4,5	
A	* ` _		1,4,5	
	* abstract *			
				TECHNICAL FIELDS SEARCHED (Int.CL6)
				C08F
	The present search report has	been drawn up for all claims		
	Place of nearth	Date of completion of the search		Examine
	THE HAGUE	25 September 199	7 Gai	mb, V
Y: pa	CATEGORY OF CITED DOCUMI sticularly relevant if taken alone sticularly relevant if combined with as consent of the same category chaological background as-written disclassure termediate document	ple underlying the ocument, but pul- date in the application for other reason.	bishes on, or	